



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

03-30-01

GP/2641

Our Ref.: P/126-197

Date: March 29, 2001 #3/IDS

Group Art Unit: 2641

Examiner: --

4-6-01

A.T.

In re Patent Application of:

OZAWA, K.

Serial No.: 09/720,767

Filed: 12/29/00

For: SPEECH CODER

Assistant Commissioner of Patents  
Washington, D.C. 20231

**SUBMISSION**

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<input checked="" type="checkbox"/>	Submitted herewith is a copy of art together with an art listing form listing the same for the convenience of the Examiner.
<input type="checkbox"/>	The document(s) listed on the attached art listing form was/were cited in a Search Report issued by a foreign patent office in a related application. A copy of the Search Report (in the English language) is attached hereto for the Examiner's reference.
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I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee (mail label #EL613109379US) in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231-9999, on March 29, 2001:

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March 29, 2001

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Respectfully submitted,

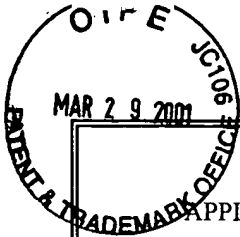
Max Moskowitz  
Registration No.: 30,576  
OSTROLENK, FABER, GERB & SOFFEN, LLP  
1180 Avenue of the Americas  
New York, New York 10036-8403  
Telephone: (212) 382-0700

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APPLICANT'S ART CITATION (Use several sheets if necessary)	Application 09/720,767	OFGS File No. P/126-197
	Applicant OZAWA, K.	
	Filing Date 12/29/00	Group Art Unit 2641

## U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate

## FOREIGN PATENT DOCUMENTS

	Document Number							Date	Country	Class	Sub-class	Translation	
												Yes	No
	4-	1	7	1	5	0	0	6/1992	JAPAN			Abst	
	4-	3	6	3	0	0	0	12/1992	JAPAN			Abst	
	5-	6	1	9	9			1/1993	JAPAN			Abst	
	6-	2	2	2	7	9	7	8/1994	JAPAN			Abst	
									(ALSO SEE SPEC)				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	M. Schroeder and B. Atal, "Code-excited linear prediction: High quality speech at very low bit rates" (Proc. ICASSP, pp. 937-940, 1985.
	Kleijn et al., "Improved speech quality and efficient vector quantization in CELP" (Proc. ICASSP pp. 155-158, 1988.
	Laflamme et al., "16kbps wideband speech coding technique based on algebraic CELP" (Proc. ICASSP, pp. 13-16, 1991.
	"Signal Analysis and System Identification" written by Nakamizo (published in 1998, Corona), pp. 82-87.
	Sugamura et al. "Speech Data Compression by Linear Spectral Pair (LSP) Speech Analysis-Synthesis Technique" (Journal of the electronic Communications Society of Japan, J64-A, pp. 599-606, 1981.
	T. Nomura et al. "LSP Coding Using VQ-SVQ With Interpolation in 4.075 kbps M-LCELP Speech Coder" (Proc. Mobile Multimedia Communications, pp. B2.5, 1993.
	P. Kroon et al., "Pitch predictors with high temporal resolution" (Proc. ICASSP, pp. 661-664, 1990.
	Linde et al. "An algorithm for vector quantization design" (IEEE Trans. Commun., pp. 84-95, January, 1980).

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